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PATENTS  
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Genichi Kakefuda, et al.

Examiner: Not Yet Assigned

Serial No. 09/893,033

Art Unit: Not Yet Assigned

Filed: June 27, 2001

For: Cyanobacterial Nucleic Acid  
Fragments Encoding Proteins  
Useful for Controlling Plant  
Traits Via Nuclear Or  
Plastome Transformation

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, DC 20231

Sir:

The citation of information on the attached two (2) pages of Form PTO-1449, "List of Art Cited by Applicants" is made pursuant to 37 C.F.R. §§ 1.56, 1.97, and 1.98. A copy of each cited item is enclosed.

No fee is believed to be required for consideration of this Information Disclosure Statement. The citation of this information does not constitute an admission of priority or that

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Lisa M. Cobern - Reg. No. 44,669

Serial No. 09/893,033  
Filed: June 27, 2001  
INFORMATION DISCLOSURE STATEMENT

any cited item is available as a reference, or a waiver of any right the applicant may have under applicable statutes, Rules of Practice in patent cases, or otherwise.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'L M Cobern', written over a horizontal line.

Lisa M. Cobern  
Reg. No. 44,669

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Attorney Docket No.: 16313-0130

FORM PTO-1649, 2/99



## LIST OF INFORMATION DISCLOSED BY APPLICANT

(Use several sheets if necessary)

ATTORNEY DOCKET NUMBER <b>16313-0130</b>	SERIAL NO. <b>09/893,033</b>	FILING DATE <b>June 27, 2001</b>
APPLICANTS <b>Genichi Kakefuda et al.</b>		GROUP <b>Unknown</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,378,824	1-3-95	E. I. Du Pont de Nemours and Co.	536	23.6	
	5,661,017	8-26-97	Dunahay et al.	435	172.3	

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	NAME	TRANSLATION	
					YES	NO.
	96/28014	9-19-96	WO	Yissum Research Development Company Of The Hebrew University Of Jerusalem		X
	98/06862	2-19-98	WO	Calgene, Inc.		X
	98/20144	5-14-98	WO	Zeneca Limited		X
	6343473	12-20-94	JP	Kirin Brewery Co. Ltd.		X

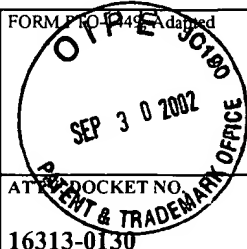
## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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<input checked="" type="checkbox"/>	Böger, P. and Sandmann, G., 1998 Pesticide Outlook, 6:29-35 "Carotenoid Biosynthesis Inhibitor Herbicides - Mode of Action and Resistance Mechanisms".
<input checked="" type="checkbox"/>	Chamovitz et al., 1993 J. Biol. Chem. 23: 17348-53. Vol. 268 "Molecular and Biochemical Characterization of Herbicide-Resistant Mutants of Cyanobacteria Reveals that Phytoene Desaturation is a Rate-Limiting Step in Carotenoid Biosynthesis".
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<input checked="" type="checkbox"/>	Hattori et al., 1995 Mol. & Gen. Genet., 246: 419-425 "An Acetohydroxy Acid Synthase Mutant Reveals a Single Site Involved in Multiple Herbicide Resistance".
<input checked="" type="checkbox"/>	Kaneko et al., 1995 DNA Research 2:153-166 "Sequence Analysis of the Genome of the Unicellular Cyanobacterium <i>Synechocystis</i> sp. Strain PCC6803. I. Sequence Features in the 1 Mb Region from Map Positions 64% to 92% of the Genome".
<input checked="" type="checkbox"/>	Kowalczyk-Schroder & Sandmann, G., 1992 Pestic. Biochem. Physiol., 42(1): 7-12 "Interference of Fluridone with the Desaturation of Phytoene by Membranes of the Cyanobacterium <i>Aphanocapsa</i> ".
<input checked="" type="checkbox"/>	Linden et al., 1990 Pesticide Biochem. Physiol., 36: 46-51 "Biochemical Characterization of <i>Synechococcus</i> Mutants Selected against the Bleaching Herbicide Norflurazon".

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1249-Adapted



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ATTACHMENT NO. 16313-0130	SERIAL NO. 09/893,033	FILING DATE June 27, 2001
APPLICANTS Genichi Kakefuda et al.		GROUP Unknown

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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<input checked="" type="checkbox"/>	Mifflin, B.J., 1971 Arch Biochem. Biophys., 146: 542-550 "Cooperative Feedback Control of Barley Acetohydroxyacid Synthetase by Leucine, Isoleucine, and Valine".
<input checked="" type="checkbox"/>	Milano et al., 1992 J. Gen Microbiol 138: 1399-1408 "Molecular Characterization of the Genes Encoding Acetohydroxy Acid Synthase in the Cyanobacterium <i>Spirulina platensis</i> ".
<input checked="" type="checkbox"/>	Porter, R.D., 1988 "[78] DNA Transformation," Methods in Enzymology, 167: 703-712.
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<input checked="" type="checkbox"/>	Sandmann et al., 1992 Res. Photosynth. Proc. Int. Congr., 3: 51-54. "Diversity of Phytoene Desaturating Enzymes and Corresponding Genes Involved in Carotenoid Biosynthesis of Photoautotrophic Prokaryotes".
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	Williams, 1988, Methods in Enzymology, 167: 766-778 "[85] Construction of Specific Mutations in Photosystem II Photosynthetic Reaction Center by Genetic Engineering Methods in <i>Synechocystis</i> 6803".
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